

(Chel) γ AbuNleDHF_d RWK-NH₂, (SEQ ID NO:1)
(Chel) γ AbuHSDAVFTDNYTRLRKQMAVKKYLNSILN-NH₂, (SEQ ID NO:2)
KPRRPYTDNYTRLRK(Chel)QMAVKKYLNSILN-NH₂, (SEQ ID NO:3)
(Chel) γ AbuVFTDNYTRLRKQMAVKKYLNSILN-NH₂,
(Chel) γ AbuYTRLRKQMAVKKYLNSILN-NH₂, (SEQ ID NO:4)
HSDAVFTDNYTRLRK(Chel)QMAVKKYLNSILN-NH₂, (SEQ ID NO:5)
(SEQ ID NO:6) <GHWSYK(Chel)LRPG-NH₂, <GHYSLK(Chel)WKPG-NH₂, (SEQ ID NO:7)
AcNal_d Cpa_d W_d SRK_d (Chel)LRPA_d -NH₂, (SEQ ID NO:8)
(SEQ ID NO:9) (Chel) γ AbuSYSNleDHF_d RWK-NH₂, Ac-
HSDAVFTENYTKLRK(Chel)QNleAAKKYLNDLKKGGT-NH₂, (SEQ ID NO:10)
(SEQ ID NO:12) Nal_d Cpa_d W_d SRK_d (Chel)WKPG-NH₂, <GHWSYK_d (Chel)LRPG-NH₂, (SEQ ID NO:13)
(SEQ ID NO:14) AcK(Chel)F_d CFW_d KTCT-OH, AcK(Chel)DF_d CFW_d KTCT-OH, (SEQ ID NO:15)
(SEQ ID NO:14) AcK(Chel)F_d CFW_d KTCT-ol, AcK(Chel)DF_d CFW_d KTCT-ol, (SEQ ID NO:15)
(SEQ ID NO:16) (Chel)DF_d CFW_d KTCT-OH, K(Chel)DF_d CFW_d KTCT-ol, (SEQ ID NO:15)
(SEQ ID NO:17) K(Chel)KKF_d CFW_d KTCT-ol, K(Chel)KDF_d CFW_d KTCT-OH, (SEQ ID NO:18)
(SEQ ID NO:19) K(Chel)DSF_d CFW_d KTCT-OH, K(Chel)DF_d CFW_d KTCT-OH, (SEQ ID NO:15)
(SEQ ID NO:20) K(Chel)DF_d CFW_d KTCD-NH₂, K(Chel)DF_d CFW_d KTCT-NH₂, (SEQ ID NO:15)
(SEQ ID NO:18) K(Chel)KDF_d CFW_d KTCT-NHNH₂, AcK(Chel)F_d CFW_d KTCT-NHNH₂, (SEQ ID NO:14)
(SEQ ID NO:14) K(Chel)F_d CFW_d KTCT-ol, and F_d CFW_d KTCTK(Chel)-NH₂, (SEQ ID NO:21)

wherein (Chel) is a radiometal-binding moiety having the structure set forth above.